

ATTACHMENT 6

ANNUAL COST FACTORS

PHYSICAL COLLOCATION
BELL ATLANTIC - NEW ENGLAND
FCC NO. 11

FACTORS

LINE NO	A ITEM	B SOURCE	C MA DATA	D ME DATA	E NH DATA	F RI DATA	G VT DATA
ANNUAL COST FACTOR							
- Digital Switch - Power (2212.00)							
1	DEPRECIATION	SERVICE COSTS	0.0677	0.0680	0.0677	0.0679	0.0658
2	COST OF MONEY	SERVICE COSTS	0.0548	0.0551	0.0548	0.0550	0.0552
3	INCOME TAX	SERVICE COSTS	0.0222	0.0223	0.0222	0.0222	0.0223
4	OTHER TAX	SERVICE COSTS	0.0002	0.0159	0.0001	0.0109	0.0109
5	MAINTENANCE	SERVICE COSTS	0.0559	0.0329	0.0396	0.0398	0.0459
6	ADMINISTRATION	SERVICE COSTS	0.0424	0.0339	0.0349	0.0366	0.0377
7	TOTAL- Digital Switch ACF	SUM (LINES 1 THRU LINE 6)	0.2432	0.2281	0.2193	0.2324	0.2378
- Land							
8	DEPRECIATION	SERVICE COSTS	0.0000	0.0000	0.0000	0.0000	0.0000
9	COST OF MONEY	SERVICE COSTS	0.1142	0.1126	0.1126	0.1126	0.1126
10	INCOME TAX	SERVICE COSTS	0.0462	0.0456	0.0456	0.0456	0.0456
11	OTHER TAX	SERVICE COSTS	0.0175	0.0156	0.0165	0.0108	0.0106
12	MAINTENANCE	SERVICE COSTS	0.0348	0.0849	0.0623	0.0251	0.0706
13	ADMINISTRATION	SERVICE COSTS	0.0425	0.0334	0.0345	0.0360	0.0371
14	TOTAL- Land ACF	SUM (LINES 8 THRU LINE 13)	0.2552	0.2921	0.2716	0.2301	0.2765
- Building							
15	DEPRECIATION	SERVICE COSTS	0.0254	0.0257	0.0257	0.0238	0.0272
16	COST OF MONEY	SERVICE COSTS	0.0838	0.0824	0.0824	0.0832	0.0818
17	INCOME TAX	SERVICE COSTS	0.0339	0.0333	0.0333	0.0336	0.0331
18	OTHER TAX	SERVICE COSTS	0.0175	0.0156	0.0165	0.0107	0.0106
19	MAINTENANCE	SERVICE COSTS	0.0348	0.0849	0.0623	0.0251	0.0706
20	ADMINISTRATION	SERVICE COSTS	0.0425	0.0334	0.0345	0.0360	0.0371
21	TOTAL- Building ACF	SUM (LINES 15 THRU LINE 20)	0.2379	0.2783	0.2847	0.2124	0.2804
OTHER FACTORS:							
22	LAND INVESTMENT FACTOR	SERVICE COSTS	0.0000	0.0000	0.0000	0.0000	0.0000
23	BUILDING INVESTMENT FACTOR	SERVICE COSTS	0.1835	0.1167	0.1357	0.1845	0.1256
24	EF&I FACTOR - FRC 377C (DC POWER)	SERVICE COSTS	2.7852	2.7852	2.7852	2.7852	2.7852
25	OVERHEAD LOADING FACTOR	COMMISSION PRESCRIBED	1.0000	1.0000	1.0000	1.0000	1.0000
26	BA-NE NAL WEIGHTING FACTOR	SERVICE COSTS	0.638	0.098	0.116	0.098	0.049
27	METRO POWER ZONE WEIGHTING	SERVICE COSTS	0.0772	N/A	N/A	N/A	N/A
28	URBAN POWER ZONE WEIGHTING	SERVICE COSTS	0.3512	0.0886	0.2378	0.4465	0.1673
29	SUBURBAN POWER ZONE WEIGHTING	SERVICE COSTS	0.5123	0.3660	0.4066	0.4480	0.3887
30	RURAL POWER ZONE WEIGHTING	SERVICE COSTS	0.0688	0.5475	0.3557	0.1055	0.4639
31	GROSS REVENUE LOADING FACTOR - ALREADY INCLUDED IN LINES 1-21	SERVICE COSTS	0.001541	0.003463	0.002698	0.001772	0.004695

PHYSICAL COLLOCATION
Bell Atlantic - New York
FCC NO. 11

FACTORS

<u>Line No.</u>	<u>(A)</u> <u>Factor Item</u>	<u>(B)</u> <u>Source</u>	<u>(C)</u> <u>FCC</u> <u>DATA</u>
<u>ANNUAL COST FACTOR</u>			
	- Digital Switch - Power (2212.00)		
1	DEPRECIATION	SERVICE COSTS	0.0636
2	COST OF MONEY	SERVICE COSTS	0.0553
3	INCOME TAX	SERVICE COSTS	0.0224
4	OTHER TAX	SERVICE COSTS	0.0021
5	MAINTENANCE	SERVICE COSTS	0.0841
6	ADMINISTRATION	SERVICE COSTS	0.0364
7	TOTAL- Digital Switch ACF	SUM (LINES 1 THRU LINE 6)	0.2639
	- Land		
8	DEPRECIATION	SERVICE COSTS	0.0000
9	COST OF MONEY	SERVICE COSTS	0.1145
10	INCOME TAX	SERVICE COSTS	0.0463
11	OTHER TAX	SERVICE COSTS	0.0317
12	MAINTENANCE	SERVICE COSTS	0.0269
13	ADMINISTRATION	SERVICE COSTS	0.0364
14	TOTAL- Land ACF	SUM (LINES 8 THRU LINE 13)	0.2558
	- Building		
15	DEPRECIATION	SERVICE COSTS	0.0224
16	COST OF MONEY	SERVICE COSTS	0.0852
17	INCOME TAX	SERVICE COSTS	0.0344
18	OTHER TAX	SERVICE COSTS	0.0317
19	MAINTENANCE	SERVICE COSTS	0.0269
20	ADMINISTRATION	SERVICE COSTS	0.0364
21	TOTAL- Building ACF	SUM (LINES 15 THRU LINE 20)	0.2370
<u>OTHER FACTORS:</u>			
22	LAND INVESTMENT FACTOR	SERVICE COSTS	0.0000
23	BUILDING INVESTMENT FACTOR	SERVICE COSTS	0.2140
24	EF&I FACTOR - FRC 377C (DC POWER)	SERVICE COSTS	2.7852
25	DC POWER - OVERHEAD LOADING FACTOR	COMMISSION PRESCRIBED	1.3200
26	GROSS REVENUE LOADING FACTOR - ALREADY INCLUDED IN LINES 1-21	SERVICE COSTS	0.002612

**PHYSICAL COLLOCATION
VERIZON: DC, DE, MD, NJ, PA, VA & WV
FCC NO. 1**

FACTORS

LINE NO	A ITEM	B SOURCE	C DC DATA	D DE DATA	E MD DATA	F NJ DATA	G PA DATA	H VA DATA	I WV DATA
ANNUAL COST FACTOR									
- Digital Switch - Power (2212.00)									
1	DEPRECIATION	SERVICE COSTS	0.0622	0.0621	0.0627	0.0569	0.0628	0.0567	0.0628
2	COST OF MONEY	SERVICE COSTS	0.0518	0.0521	0.0523	0.0525	0.0514	0.0533	0.0517
3	INCOME TAX	SERVICE COSTS	0.0274	0.0268	0.0257	0.0272	0.0274	0.0255	0.0268
4	MAINTENANCE	SERVICE COSTS	0.0654	0.0712	0.0501	0.0601	0.0573	0.0536	0.0664
5	ADMINISTRATION	SERVICE COSTS	0.0623	0.0291	0.0429	0.0432	0.0399	0.0389	0.0375
6	OTHER TAX	SERVICE COSTS	0.0031	0.0062	0.0175	0.0124	0.0020	0.0081	0.0107
7	TOTAL- Digital Switch ACF	SUM (LINES 1 THRU LINE 6)	0.2722	0.2475	0.2512	0.2523	0.2408	0.2381	0.2559
- Land									
8	DEPRECIATION	SERVICE COSTS	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
9	COST OF MONEY	SERVICE COSTS	0.1131	0.1129	0.1128	0.1131	0.1130	0.1128	0.1129
10	INCOME TAX	SERVICE COSTS	0.0598	0.0581	0.0554	0.0587	0.0602	0.0539	0.0586
11	MAINTENANCE	SERVICE COSTS	0.0091	0.0267	0.0257	0.0258	0.0284	0.0344	0.0289
12	ADMINISTRATION	SERVICE COSTS	0.0623	0.0291	0.0429	0.0432	0.0399	0.0389	0.0375
13	OTHER TAX	SERVICE COSTS	0.0277	0.0192	0.0175	0.0124	0.0471	0.0081	0.0107
14	TOTAL- Land ACF	SUM (LINES 8 THRU LINE 13)	0.2720	0.2460	0.2543	0.2532	0.2586	0.2481	0.2486
- Building									
15	DEPRECIATION	SERVICE COSTS	0.0165	0.0214	0.0220	0.0217	0.0205	0.0218	0.0235
16	COST OF MONEY	SERVICE COSTS	0.0860	0.0834	0.0834	0.0833	0.0836	0.0834	0.0825
17	INCOME TAX	SERVICE COSTS	0.0454	0.0429	0.0410	0.0432	0.0445	0.0399	0.0428
18	MAINTENANCE	SERVICE COSTS	0.0091	0.0267	0.0257	0.0258	0.0284	0.0344	0.0289
19	ADMINISTRATION	SERVICE COSTS	0.0623	0.0291	0.0429	0.0432	0.0399	0.0389	0.0375
20	OTHER TAX	SERVICE COSTS	0.0277	0.0192	0.0175	0.0124	0.0471	0.0081	0.0107
21	TOTAL- Building ACF	SUM (LINES 15 THRU LINE 20)	0.2470	0.2227	0.2325	0.2296	0.2540	0.2266	0.2259
OTHER FACTORS:									
			DC	DE	MD	NJ	PA	VA	WV
22	LAND INVESTMENT FACTOR	SERVICE COSTS	0.009186	0.009389	0.007799	0.010891	0.008057	0.007117	0.010255
23	BUILDING INVESTMENT FACTOR	SERVICE COSTS	0.152289	0.199439	0.146989	0.168726	0.175710	0.128173	0.218968
24	POWER INSTALL & ENGR. FACTOR FRC (377C)	SERVICE COSTS	2.7852	2.7852	2.7852	2.7852	2.7852	2.7852	2.7852
25	OVERHEAD LOADING FACTOR	REGULATORY	1.23	1.23	1.23	1.23	1.23	1.23	1.23
26	BA-SOUTH NAL WEIGHTING FACTOR	SERVICE COSTS	0.03644	0.02566	0.16245	0.29196	0.29019	0.15549	0.03782
27	METRO POWER ZONE WEIGHTING	ENGINEERING	0.5982	0.3027	0.1783	0.3087	0.2086	0.1585	0.0000
28	URBAN POWER ZONE WEIGHTING	ENGINEERING	0.3750	0.3006	0.5162	0.4901	0.4539	0.4362	0.2135
29	SUBURBAN POWER ZONE WEIGHTING	ENGINEERING	0.0268	0.2769	0.1688	0.1724	0.2058	0.2869	0.2751
30	RURAL POWER ZONE WEIGHTING	ENGINEERING	0.0000	0.1207	0.1377	0.0278	0.1347	0.1184	0.5115
31	TOTAL WEIGHTING		1.0000	1.0001	1.0000	1.0000	1.0000	1.0000	1.0001
32	GROSS REVENUE LOADING FACTOR ALREADY INCLUDED IN LINES 1-21	SERVICE COSTS	0.004225	0.002518	0.001701	0.004007	0.002975	0.001364	0.002898

ATTACHMENT 7

OVERHEAD LOADING FACTORS

ATTACHMENT 7

LOWEST OVERHEAD LOADING FACTOR

CONFIDENTIAL MATERIAL REDACTED

ATTACHMENT 8

COMPARISON WITH OTHER CARRIERS' DC POWER RATES

DC POWER RATE COMPARISON

Attachment 8

Basic Assumption:

Assumes 175 feet of DC Power cable

Collocator Installs 5 Equipment Bays

Collocator Orders DC Power @:

	Load		
Feeds per Bay	Amps	Fused Amps	
2	20	50	

<u>Verizon FCC</u>	<u>Rate per Load Amp</u>	<u>MRC per Bay</u>	<u>NRC</u>	<u>Total MRC (5 Bays)</u>	<u>Total MRC & NRC</u>	<u>Annual Cost</u>	<u>5 Year Cost</u>
VZ -NY	\$25.32	\$1,012.80	\$0.00	\$5,064.00	\$5,064.00	\$60,768.00	\$303,840.00
VZ -NE	\$16.41	\$656.40	\$0.00	\$3,282.00	\$3,282.00	\$39,384.00	\$196,920.00
VZ-South	\$20.23	\$809.20	\$0.00	\$4,046.00	\$4,046.00	\$48,552.00	\$242,760.00

<u>Ameritech FCC</u>	<u>Rate per Fused Amp</u>	<u>MRC per Bay</u>	<u>NRC</u>	<u>Total MRC (5 Bays)</u>	<u>Total MRC & NRC</u>	<u>Annual Cost</u>	<u>5 Year Cost</u>
FCC No. 2	\$7.99	\$799.00	\$19,283.60	\$3,995.00	\$23,278.60	\$67,223.60	\$258,983.60

Power Consumption per Fused Amp \$7.99

Power Delivery per Power Lead (NRC) \$1,928.36

<u>SBC - Nevada</u>	<u>Rate per 50 amps each</u>	<u>MRC per Bay</u>	<u>NRC Fused Capacity</u>	<u>Total MRC (5 Bays)</u>	<u>Total MRC & NRC</u>	<u>Annual Cost</u>	<u>5 Year Cost</u>
SBC ExParte	\$717.35	\$717.35	\$14,159.57	\$3,586.75	\$17,746.32	\$57,200.57	\$229,364.57

DC power Consumption per 50 Amps Each Feed (MRC) \$717.35

DC Power Provisioning (Per 50 Amps Each Feed) (NRC) \$2,673.32

Power Engineering Fee (per arrangement) (NRC) \$792.97

<u>SBC - Nevada</u>	<u>Rate per 10 amps Fused (A&B)</u>	<u>MRC per Bay</u>	<u>NRC</u>	<u>Total MRC (5 Bays)</u>	<u>Total MRC & NRC</u>	<u>Annual Cost</u>	<u>5 Year Cost</u>
FCC No. 18	\$200.91	\$1,004.55	\$0.00	\$5,022.75	\$5,022.75	\$60,273.00	\$301,365.00

referred DC power per -48 volt 10 amp circuit per A&B feed fused (MRC - Section 18.8.2) \$200.91

<u>SBC - PacBell</u>	<u>Rate per 40 amps each</u>	<u>MRC per Bay</u>	<u>NRC Fused Capacity</u>	<u>Total MRC (5 Bays)</u>	<u>Total MRC & NRC</u>	<u>Annual Cost</u>	<u>5 Year Cost</u>
FCC No.1	\$296.00	\$592.00	\$17,261.25	\$2,960.00	\$20,221.25	\$52,781.25	\$194,861.25

DC Power per 40 amp increment (MRC) Section 16.7..B.1 \$296.00

DC Power per 40 amp increment (NRC) Section 16.7.1.B.1 \$453.00

DC Power Cabling and Placement per linear foot per 40 amp increment (NRC) 16.7.1.B.2 \$14.55

<u>QWEST COLLO</u>	<u>Rate per amp A&B Load</u>	<u>MRC per Bay</u>	<u>NRC Fused Capacity</u>	<u>Total MRC (5 Bays)</u>	<u>Total MRC & NRC</u>	<u>Annual Cost</u>	<u>5 Year Cost</u>
P.U.C. 22	\$16.20	\$704.00	\$91,210.00	\$3,520.00	\$94,730.00	\$133,450.00	\$302,410.00

DC power Consumption per 40 Amps Load (A&B Feeds) (MRC) 10.2.A.1 \$648.00

48 Volt Power Cable Per Foot A&B (MRC) (60 amp capacity = \$0.32 per foot) \$56.00

DC Power Cables Per Each A&B Fused Feed - NRC (5 Bays Fused @ 60 Amps) =104.24 per ft.) \$91,210.00

DC POWER RATE COMPARISON**Basic Assumption:****Assumes 50 feet of DC Power cable****Collocator Installs 5 Equipment Bays****Collocator Orders DC Power @:**

	Load	
Feeds per Bay	Amps	Fused Amps
2	20	50

Verizon FCC	Rate per Load Amp	MRC per Bay	NRC	Total MRC (5 Bays)	Total MRC & NRC	Annual Cost	5 Year Cost
VZ -NY	\$25.32	\$1,012.80	\$0.00	\$5,064.00	\$5,064.00	\$60,768.00	\$303,840.00
VZ -NE	\$16.41	\$656.40	\$0.00	\$3,282.00	\$3,282.00	\$39,384.00	\$196,920.00
VZ-South	\$20.23	\$809.20	\$0.00	\$4,046.00	\$4,046.00	\$48,552.00	\$242,760.00

Ameritech FCC	Rate per Fused Amp	MRC per Bay	NRC	Total MRC (5 Bays)	Total MRC & NRC	Annual Cost	5 Year Cost
FCC No. 2	\$7.99	\$799.00	\$19,283.60	\$3,995.00	\$23,278.60	\$67,223.60	\$258,983.60

Power Consumption per Fused Amp \$7.99
Power Delivery per Power Lead (NRC) \$1,928.36

SBC - Nevada	Rate per 50 amps each	MRC per Bay	NRC Fused Capacity	Total MRC (5 Bays)	Total MRC & NRC	Annual Cost	5 Year Cost
SBC ExParte	\$717.35	\$717.35	\$14,159.57	\$3,586.75	\$17,746.32	\$57,200.57	\$229,364.57

DC power Consumption per 50 Amps Each Feed (MRC) \$717.35
DC Power Provisioning (Per 50 Amps Each A&B Feed) (NRC) \$2,673.32
Power Engineering Fee (per arrangement) (NRC) \$792.97

SBC - Nevada	Rate per 10 amps Fused (A&B)	MRC per Bay	NRC	Total MRC (5 Bays)	Total MRC & NRC	Annual Cost	5 Year Cost
FCC No. 18	\$200.91	\$1,004.55	\$0.00	\$5,022.75	\$5,022.75	\$60,273.00	\$301,365.00

referred DC power per -48 volt 10 amp circuit per A&B feed fused (MRC - Section 18.8.2) \$200.91

SBC - PacBell	Rate per 40 amps each	MRC per Bay	NRC Fused Capacity	Total MRC (5 Bays)	Total MRC & NRC	Annual Cost	5 Year Cost
FCC No.1	\$296.00	\$592.00	\$9,106.25	\$2,960.00	\$12,066.25	\$44,626.25	\$186,706.25

DC Power per 40 amp increment (MRC) Section 16.7.1.B.1 \$296.00
DC Power per 40 amp increment (NRC) Section 16.7.1.B.1 \$453.00
DC Power Cabling and Placement per linear foot per 40 amp increment (NRC) 16.7.1.B.2 \$5.23

QWEST COLLO	Rate per amp A&B Load	MRC per Bay	NRC Fused Capacity	Total MRC (5 Bays)	Total MRC & NRC	Annual Cost	5 Year Cost
P.U.C. 22	\$16.20	\$664.00	\$26,060.00	\$3,320.00	\$29,380.00	\$65,900.00	\$225,260.00

DC power Consumption per 40 Amps Load (A&B Feeds) (MRC) 10.2.A.1 \$648.00
48 Volt Power Cable Per Foot A&B (MRC) (60 amp capacity = \$0.32 per foot) \$16.00
DC Power Cables Per Each A&B Fused Feed - NRC (5 Bays Fused @ 60 Amps) =104.24 per ft.) \$26,060.00

DC POWER RATE COMPARISON**Basic Assumption:****Assumes 100 feet of DC Power cable****Collocator Installs 5 Equipment Bays****Collocator Orders DC Power @:**

	Load		
Feeds per Bay	Amps	Fused Amps	
2	20	50	

Verizon FCC	Rate per Load Amp	MRC per Bay	NRC	Total MRC (5 Bays)	Total MRC & NRC	Annual Cost	5 Year Cost
VZ -NY	\$25.32	\$1,012.80	\$0.00	\$5,064.00	\$5,064.00	\$60,768.00	\$303,840.00
VZ -NE	\$16.41	\$656.40	\$0.00	\$3,282.00	\$3,282.00	\$39,384.00	\$196,920.00
VZ-South	\$20.23	\$809.20	\$0.00	\$4,046.00	\$4,046.00	\$48,552.00	\$242,760.00

Ameritech FCC	Rate per Fused Amp	MRC per Bay	NRC	Total MRC (5 Bays)	Total MRC & NRC	Annual Cost	5 Year Cost
FCC No. 2	\$7.99	\$799.00	\$19,283.60	\$3,995.00	\$23,278.60	\$67,223.60	\$258,983.60

Power Consumption per Fused Amp \$7.99
Power Delivery per Power Lead (NRC) \$1,928.36

SBC - Nevada	Rate per 50 amps each	MRC per Bay	NRC Fused Capacity	Total MRC (5 Bays)	Total MRC & NRC	Annual Cost	5 Year Cost
SBC ExParte	\$717.35	\$717.35	\$14,159.57	\$3,586.75	\$17,746.32	\$57,200.57	\$229,364.57

DC power Consumption per 50 Amps Each Feed (MRC) \$717.35
DC Power Provisioning (Per 50 Amps Each A&B Feed) (NRC) \$2,673.32
Power Engineering Fee (per arrangement) (NRC) \$792.97

SBC - Nevada	Rate per 10 amps Fused (A&B)	MRC per Bay	NRC	Total MRC (5 Bays)	Total MRC & NRC	Annual Cost	5 Year Cost
FCC No. 18	\$200.91	\$1,004.55	\$0.00	\$5,022.75	\$5,022.75	\$60,273.00	\$301,365.00

referred DC power per -48 volt 10 amp circuit per A&B feed fused (MRC - Section 18.8.2) \$200.91

SBC - PacBell	Rate per 40 amps each	MRC per Bay	NRC Fused Capacity	Total MRC (5 Bays)	Total MRC & NRC	Annual Cost	5 Year Cost
FCC No.1	\$296.00	\$592.00	\$11,285.00	\$2,960.00	\$14,245.00	\$46,805.00	\$188,885.00

DC Power per 40 amp increment (MRC) Section 16.7..B.1 \$296.00
DC Power per 40 amp increment (NRC) Section 16.7.1.B.1 \$453.00
DC Power Cabling and Placement per linear foot per 40 amp increment (NRC) 16.7.1.B.2 \$7.72

QWEST COLLO	Rate per amp A&B Load	MRC per Bay	NRC Fused Capacity	Total MRC (5 Bays)	Total MRC & NRC	Annual Cost	5 Year Cost
P.U.C. 22	\$16.20	\$680.00	\$52,120.00	\$3,400.00	\$55,520.00	\$92,920.00	\$256,120.00

DC power Consumption per 40 Amps Load (A&B Feeds) (MRC) 10.2.A.1 \$648.00
48 Volt Power Cable Per Foot A&B (MRC) (60 amp capacity = \$0.32 per foot) \$32.00
DC Power Cables Per Each A&B Fused Feed - NRC (5 Bays Fused @ 60 Amps) =104.24 per ft.) \$52,120.00

VERIZON - ILEC RATE COMPARISON

SURVEY OF COLLOCATION ARRANGEMENTS IN NY, MA AND PA

Total Collocation Arrangements surveyed (777)
 Total Collocator Equipment Bays installed (4,153)
 Total Fused Capacity of DC Power (204,025 amps)
 Average Number of Bays per Collocation Arrangement (5)
 Average Fused DC Power per Equipmen Bay (49 amps)

ASSUMPTIONS

Assumes Collocator desires two feeds for each equipment bay with 20 amps load on each feed
 Assumes Collocator uses equipment that load shares (OR'd power)
 If one feed fails, the other feed will carry the load (total 40 amps)
 Each feed requires minimum of 50 amps fused capacity
 Assumes 5 equipment bays per collocation arrangement
 Assumes Average Power Cable Distance of 175 feet (see SBC Ex Parte AND Cable Lenghts from MA study)

RATE COMPARISON

Bell South, and Qwest only offer virtual collocation in the FCC tariffs.
 Ameritech, and SBC - Nevada and PAC Bell are the only other ILEC physical tariffs.
 The rate comparison was made with the assumptions above for Ameritech and the Nevada state tariff rates for SBC taken from the SBC ExParte filed with the FCC on February 5, 2001, SBC FCC tariffs for Nevada and Pac Bell

Verizon permits Collocator to fuse at 2.5 times the load

SBC fuses at 1.25 times the load

1st Rate Comparison derived from SBC Ex Parte filed February 5, 2001

2nd rate comparison derived from SBC Nevada FCC No. 1, Section 18

3rd rate comparison derived from PACBell FCC No.1, Section 16

Ameritech FCC Tariff Fuses at 1.5 times the load

Ameritech Bills per fused amp

Rate Comparison Derived From Ameritech Tariff FCC No.2, Section 16

Qwest Colorado (State Tariff)

Fuse at 1.25 the load (see Interconnection Agreement)

Qwest has sole responsibility for designating the fuse size (see collocation application)

To obtain BA equivalent for OR'd power, CLEC must request 40 amps load A&B to get 50 amp fused A&B

Qwest Bill consumption based on Load and Power Cables Based on Fused Capacity

Power Cable can be ordered in Fused Increments of 20, 40 and 60 amps (50 amp fuse = 60 amps rate

Pacific Bell and Ameritech provide power feeds to individual equipment bays

DC POWER RATE COMPARISON

Attachment 8

Basic Assumption:

Assumes 175 feet of DC Power cable

Collocator Installs 5 Equipment Bays

Collocator Orders DC Power @:

Feeds per Bay	Load Amps	Fused Amps
2	20	50

<u>Verizon FCC</u>	<u>Rate per Load Amp</u>	<u>MRC per Bay</u>	<u>NRC</u>	<u>Total MRC (5 Bays)</u>	<u>Total MRC & NRC</u>	<u>Annual Cost</u>	<u>5 Year Cost</u>
VZ -NY	\$25.32	\$1,012.80	\$0.00	\$5,064.00	\$5,064.00	\$60,768.00	\$303,840.00
VZ -NE	\$16.41	\$656.40	\$0.00	\$3,282.00	\$3,282.00	\$39,384.00	\$196,920.00
VZ-South	\$20.23	\$809.20	\$0.00	\$4,046.00	\$4,046.00	\$48,552.00	\$242,760.00

<u>Ameritech FCC</u>	<u>Rate per Fused Amp</u>	<u>MRC per Bay</u>	<u>NRC</u>	<u>Total MRC (5 Bays)</u>	<u>Total MRC & NRC</u>	<u>Annual Cost</u>	<u>5 Year Cost</u>
FCC No. 2	\$7.99	\$799.00	\$19,283.60	\$3,995.00	\$23,278.60	\$67,223.60	\$258,983.60

Power Consumption per Fused Amp \$7.99

Power Delivery per Power Lead (NRC) \$1,928.36

<u>SBC - Nevada</u>	<u>Rate per 50 amps each</u>	<u>MRC per Bay</u>	<u>NRC Fused Capacity</u>	<u>Total MRC (5 Bays)</u>	<u>Total MRC & NRC</u>	<u>Annual Cost</u>	<u>5 Year Cost</u>
SBC ExParte	\$717.35	\$717.35	\$14,159.57	\$3,586.75	\$17,746.32	\$57,200.57	\$229,364.57

DC power Consumption per 50 Amps Each Feed (MRC) \$717.35

DC Power Provisioning (Per 50 Amps Each Feed) (NRC) \$2,673.32

Power Engineering Fee (per arrangement) (NRC) \$792.97

<u>SBC - Nevada</u>	<u>Rate per 10 amps Fused (A&B)</u>	<u>MRC per Bay</u>	<u>NRC</u>	<u>Total MRC (5 Bays)</u>	<u>Total MRC & NRC</u>	<u>Annual Cost</u>	<u>5 Year Cost</u>
FCC No. 18	\$200.91	\$1,004.55	\$0.00	\$5,022.75	\$5,022.75	\$60,273.00	\$301,365.00

referred DC power per -48 volt 10 amp circuit per A&B feed fused (MRC - Section 18.8.2) \$200.91

<u>SBC - PacBell</u>	<u>Rate per 40 amps each</u>	<u>MRC per Bay</u>	<u>NRC Fused Capacity</u>	<u>Total MRC (5 Bays)</u>	<u>Total MRC & NRC</u>	<u>Annual Cost</u>	<u>5 Year Cost</u>
FCC No.1	\$296.00	\$592.00	\$17,261.25	\$2,960.00	\$20,221.25	\$52,781.25	\$194,861.25

DC Power per 40 amp increment (MRC) Section 16.7..B.1 \$296.00

DC Power per 40 amp increment (NRC) Section 16.7.1.B.1 \$453.00

DC Power Cabling and Placement per linear foot per 40 amp increment (NRC) 16.7.1.B.2 \$14.55

<u>QWEST COLLO</u>	<u>Rate per amp A&B Load</u>	<u>MRC per Bay</u>	<u>NRC Fused Capacity</u>	<u>Total MRC (5 Bays)</u>	<u>Total MRC & NRC</u>	<u>Annual Cost</u>	<u>5 Year Cost</u>
P.U.C. 22	\$16.20	\$704.00	\$91,210.00	\$3,520.00	\$94,730.00	\$133,450.00	\$302,410.00

DC power Consumption per 40 Amps Load (A&B Feeds) (MRC) 10.2.A.1

\$648.00

48 Volt Power Cable Per Foot A&B (MRC) (60 amp capacity = \$0.32 per foot)

\$56.00

DC Power Cables Per Each A&B Fused Feed - NRC (5 Bays Fused @ 60 Amps) =104.24 per ft.)

\$91,210.00

DC POWER RATE COMPARISON

Basic Assumption:

Assumes 50 feet of DC Power cable

Collocator Installs 5 Equipment Bays

Collocator Orders DC Power @:

Feeds per Bay	Load Amps	Fused Amps
2	20	50

Verizon FCC	Rate per Load Amp	MRC per Bay	NRC	Total MRC (5 Bays)	Total MRC & NRC	Annual Cost	5 Year Cost
VZ-NY	\$25.32	\$1,012.80	\$0.00	\$5,064.00	\$5,064.00	\$60,768.00	\$303,840.00
VZ-NE	\$16.41	\$656.40	\$0.00	\$3,282.00	\$3,282.00	\$39,384.00	\$196,920.00
VZ-South	\$20.23	\$809.20	\$0.00	\$4,046.00	\$4,046.00	\$48,552.00	\$242,760.00
Ameritech FCC	Rate per Fused Amp	MRC per Bay	NRC	Total MRC (5 Bays)	Total MRC & NRC	Annual Cost	5 Year Cost
FCC No. 2	\$7.99	\$799.00	\$19,283.60	\$3,995.00	\$23,278.60	\$67,223.60	\$258,983.60
Power Consumption per Fused Amp				\$7.99			
Power Delivery per Power Lead (NRC)				\$1,928.36			
SBC - Nevada	Rate per 50 amps each	MRC per Bay	NRC Fused Capacity	Total MRC (5 Bays)	Total MRC & NRC	Annual Cost	5 Year Cost
SBC ExParte	\$717.35	\$717.35	\$14,159.57	\$3,586.75	\$17,746.32	\$57,200.57	\$229,364.57
DC power Consumption per 50 Amps Each Feed (MRC)				\$717.35			
DC Power Provisioning (Per 50 Amps Each A&B Feed) (NRC)				\$2,673.32			
Power Engineering Fee (per arrangement) (NRC)				\$792.97			
SBC - Nevada	Rate per 10 amps Fused (A&B)	MRC per Bay	NRC	Total MRC (5 Bays)	Total MRC & NRC	Annual Cost	5 Year Cost
FCC No. 18	\$200.91	\$1,004.55	\$0.00	\$5,022.75	\$5,022.75	\$60,273.00	\$301,365.00
referred DC power per -48 volt 10 amp circuit per A&B feed fused (MRC - Section 18.8.2)						\$200.91	
SBC - PacBell	Rate per 40 amps each	MRC per Bay	NRC Fused Capacity	Total MRC (5 Bays)	Total MRC & NRC	Annual Cost	5 Year Cost
FCC No. 1	\$296.00	\$592.00	\$9,106.25	\$2,960.00	\$12,066.25	\$44,626.25	\$186,706.25
DC Power per 40 amp increment (MRC) Section 16.7.B.1						\$296.00	
DC Power per 40 amp increment (NRC) Section 16.7.1.B.1						\$453.00	
DC Power Cabling and Placement per linear foot per 40 amp increment (NRC) 16.7.1.B.2						\$5.23	
QWEST COLLO	Rate per amp A&B Load	MRC per Bay	NRC Fused Capacity	Total MRC (5 Bays)	Total MRC & NRC	Annual Cost	5 Year Cost
P.U.C. 22	\$16.20	\$664.00	\$26,060.00	\$3,320.00	\$29,380.00	\$65,900.00	\$225,260.00
DC power Consumption per 40 Amps Load (A&B Feeds) (MRC) 10.2.A.1						\$648.00	
48 Volt Power Cable Per Foot A&B (MRC) (60 amp capacity = \$0.32 per foot)						\$16.00	
DC Power Cables Per Each A&B Fused Feed - NRC (5 Bays Fused @ 60 Amps) =104.24 per ft.)						\$26,060.00	

DC POWER RATE COMPARISON**Basic Assumption:****Assumes 100 feet of DC Power cable****Collocator Installs 5 Equipment Bays****Collocator Orders DC Power @:**

	Load		
Feeds per Bay	Amps	Fused Amps	
2	20	50	

<u>Verizon FCC</u>	<u>Rate per Load Amp</u>	<u>MRC per Bay</u>	<u>NRC</u>	<u>Total MRC (5 Bays)</u>	<u>Total MRC & NRC</u>	<u>Annual Cost</u>	<u>5 Year Cost</u>
VZ -NY	\$25.32	\$1,012.80	\$0.00	\$5,064.00	\$5,064.00	\$60,768.00	\$303,840.00
VZ -NE	\$16.41	\$656.40	\$0.00	\$3,282.00	\$3,282.00	\$39,384.00	\$196,920.00
VZ-South	\$20.23	\$809.20	\$0.00	\$4,046.00	\$4,046.00	\$48,552.00	\$242,760.00

<u>Ameritech FCC</u>	<u>Rate per Fused Amp</u>	<u>MRC per Bay</u>	<u>NRC</u>	<u>Total MRC (5 Bays)</u>	<u>Total MRC & NRC</u>	<u>Annual Cost</u>	<u>5 Year Cost</u>
FCC No. 2	\$7.99	\$799.00	\$19,283.60	\$3,995.00	\$23,278.60	\$67,223.60	\$258,983.60

Power Consumption per Fused Amp \$7.99
Power Delivery per Power Lead (NRC) \$1,928.36

<u>SBC - Nevada</u>	<u>Rate per 50 amps each</u>	<u>MRC per Bay</u>	<u>NRC Fused Capacity</u>	<u>Total MRC (5 Bays)</u>	<u>Total MRC & NRC</u>	<u>Annual Cost</u>	<u>5 Year Cost</u>
SBC ExParte	\$717.35	\$717.35	\$14,159.57	\$3,586.75	\$17,746.32	\$57,200.57	\$229,364.57

DC power Consumption per 50 Amps Each Feed (MRC) \$717.35
DC Power Provisioning (Per 50 Amps Each A&B Feed) (NRC) \$2,673.32
Power Engineering Fee (per arrangement) (NRC) \$792.97

<u>SBC - Nevada</u>	<u>Rate per 10 amps Fused (A&B)</u>	<u>MRC per Bay</u>	<u>NRC</u>	<u>Total MRC (5 Bays)</u>	<u>Total MRC & NRC</u>	<u>Annual Cost</u>	<u>5 Year Cost</u>
FCC No. 18	\$200.91	\$1,004.55	\$0.00	\$5,022.75	\$5,022.75	\$60,273.00	\$301,365.00

referred DC power per -48 volt 10 amp circuit per A&B feed fused (MRC - Section 18.8.2) \$200.91

<u>SBC - PacBell</u>	<u>Rate per 40 amps each</u>	<u>MRC per Bay</u>	<u>NRC Fused Capacity</u>	<u>Total MRC (5 Bays)</u>	<u>Total MRC & NRC</u>	<u>Annual Cost</u>	<u>5 Year Cost</u>
FCC No.1	\$296.00	\$592.00	\$11,285.00	\$2,960.00	\$14,245.00	\$46,805.00	\$188,885.00

DC Power per 40 amp increment (MRC) Section 16.7..B.1 \$296.00
DC Power per 40 amp increment (NRC) Section 16.7.1.B.1 \$453.00
DC Power Cabling and Placement per linear foot per 40 amp increment (NRC) 16.7.1.B.2 \$7.72

<u>QWEST COLLO</u>	<u>Rate per amp A&B Load</u>	<u>MRC per Bay</u>	<u>NRC Fused Capacity</u>	<u>Total MRC (5 Bays)</u>	<u>Total MRC & NRC</u>	<u>Annual Cost</u>	<u>5 Year Cost</u>
P.U.C. 22	\$16.20	\$680.00	\$52,120.00	\$3,400.00	\$55,520.00	\$92,920.00	\$256,120.00

DC power Consumption per 40 Amps Load (A&B Feeds) (MRC) 10.2.A.1 \$648.00
48 Volt Power Cable Per Foot A&B (MRC) (60 amp capacity = \$0.32 per foot) \$32.00
DC Power Cables Per Each A&B Fused Feed - NRC (5 Bays Fused @ 60 Amps) =104.24 per ft.) \$52,120.00

DC POWER RATE COMPARISON

Basic Assumption:

Assumes 125 feet of DC Power cable

Collocator Installs 5 Equipment Bays

Collocator Orders DC Power @:

Load

Feeds per Bay

Amps

Fused Amps

2

20

50

[illegible]

ATTACHMENT 8

COMPARISON WITH OTHER CARRIERS' DC POWER RATES

CONFIDENTIAL MATERIAL REDACTED